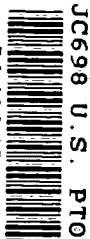


01/18/02



J1011 U.S. PTO

Docket No.: 50090-466

# UTILITY PATENT APPLICATION UNDER 37 CFR 1.53(b)

Box PATENT APPLICATION  
Commissioner for Patents  
Washington, DC 20231  
Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR: Hiroshi HORIBE  
FOR: SEMICONDUCTOR DEVICE AND WIRE BONDING APPARATUS

Enclosed are:

- ☒ 32 pages of specification, claims, abstract.
- ☒ Declaration and Power of Attorney.
- ☒ Priority Claimed.
- ☒ Certified copy of Japanese Patent Application No. 2001-256892
- ☒ 6 sheets of formal drawing.
- ☒ An assignment of the invention to Mitsubishi Denki Kabushiki Kaisha  
and the assignment recordation fee.
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- ☒ Information Disclosure Statement, Form PTO-1449 and reference.
- ☒ Return Receipt Postcard

The filing fee has been calculated as shown below:

	NO. OF CLAIMS		EXTRA CLAIMS	RATE	AMOUNT
Total Claims	20	-20	0	\$18.00	\$0.00
Independent Claims	2	-3	0	\$84.00	\$0.00
Multiple Dependent Claim(s)					\$0.00
Basic Fee					\$740.00
Total of Above Calculations					\$740.00
Less ½ for Small Entity					\$0.00
Assignment & Recording Fee					\$40.00
Total Fee					\$780.00

#2 5/8/02  
Mishish

FEE VALUE ACCOUNTABILITY	
DEPOSIT ACCOUNT NO.	
50	0417
FEE CODE	VALUE FURNISHED

J1011 U.S. PTO  
10/050166  
01/18/02



20277

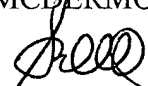
PATENT TRADEMARK OFFICE

BEST AVAILABLE COPY

- ☒ Please charge my Deposit Account No. 500417 in the amount of \$780.00. A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 500417. A duplicate copy is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 500417. A duplicate copy of this sheet is enclosed.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

  
Stephen A. Becker  
Registration No. 26,527

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
(202) 756-8000 SAB:mlw  
**Date: January 18, 2002**  
Facsimile: (202) 756-8087

BEST AVAILABLE COPY

4050456 041802